DIPU KUMAR RAJ

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Professional Summary

MCA candidate at IIT Patna & IIIT Ranchi and MERN Stack Developer with 1 year of experience at NTPC Limited. Built a Play Store mobile app and a full-scale e-pharmacy platform using React.js, Node.js, Express.js, and MongoDB, with a focus on clean UI and seamless user experience.

Education

Indian Institute of Technology (IIT) Patna & IIIT Ranchi (Hybrid) **Patna, Bihar**

Master of Computer Applications (MCA); Pursuing *2026 – 2028 (Expected)*

Experience

NTPC Limited (PM Internship Scheme) **June 2025 – June 2026**

PR Corporate Communication Intern (Graphic Designer) *Kahalgaon, Bihar*

- Designed and published 17+ editions of the NTPC e-magazine, owning layout, branding, and content arrangement end to end.
- Created 20+ posters, banners, certificates, and digital creatives for corporate events using **Photoshop / Canva**.
- Coordinated with 3+ departments to deliver on-brand materials within tight deadlines.

Projects

IIT PG HUB (Android App, Play Store) ↗ | *React Native, Expo, TypeScript* **October 2026**

- Built and published an academic companion app for IIT Patna & IIIT Ranchi PG students, centralizing curricula, timetables, calendar, MS Teams links, and PYQs.
- Implemented pinch-to-zoom and pan using **Reanimated** & **Gesture Handler**, with Expo Router, light/dark theme, and a responsive type-safe data layer.

SBC Pharma: E-Pharmacy Platform ↗ | *MERN Stack* **October 2026**

- Developed a full-stack e-pharmacy with Customer, Admin, Pharmacist, and Doctor panels, prescription verification, and appointment booking.
- Integrated **Razorpay**, **Shiprocket**, and **Fast2SMS** OTP login; secured with JWT, and built GST-compliant PDF invoices using PDFKit.

Corporate Communication Management Portal ↗ | *MERN Stack* **May 2026**

- Built a MERN portal with JWT role-based access to manage e-magazines, posters, and certificates; deployed on Netlify, Railway, and MongoDB Atlas.

Music Player ↗ & **Games Collection** ↗ | *HTML, CSS, JavaScript* **2025 – 2026**

- Built a responsive music player and a collection of browser games (Snake, Ludo, Tic Tac Toe, Racing, Math Puzzle).

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, SQL, C++
Technologies: React.js, React Native, Expo, Node.js, Express.js, MongoDB, Tailwind CSS, HTML5, CSS3, Bootstrap
Tools: Git, GitHub, VS Code, Postman, Cloudinary, Google Cloud Platform, Photoshop, Canva
Concepts: REST APIs, JWT Authentication, MVC Architecture, Responsive Design

Leadership & Extracurricular Activities

- Secretary, College Graphic Design Club.
- Coordinator, "Pahal" teaching initiative and Photography Club.
- State-level Photography Award Winner and Badminton Player.

Certificates

- Prime Minister Internship Scheme (PMIS) Certificate June 2026
- Deloitte Australia - Data Analytics & Technology Job Simulations (Forage) Aug 2025
- AWS Solutions Architecture & Telstra AU Cybersecurity Job Simulations (Forage) Aug 2025